Geospatial Intelligence Standards Working Group

GWG Overview

https://nsgreg.nga.mil
http://www.gwg.nga.mil

GWG
Inaugurated January 2005

Working as a Community:

- Participatory governance – ***the community forum*** for all standardization activities & functions related to GEOINT
- Bring ***subject matter experts*** together within the DoD and IC to fully address GEOINT standards matters
- Enhance our ability to ***manage and share GEOINT data*** among disparate groups

25 Core Members

- NGA (NASB)
- CIA
- NRO
- NSA
- Army
- Navy
- Air Force
- Marine Corps
- ODNI
- OSD (NII/AT&L)
- STRATCOM
- CENTCOM
- PACOM
- SOCOM
- Joint Staff, J8 *(formerly JFCOM)*
- EUCOM
- NORTHCOM
- DHS
- DISA
- DIA
- DLA
- DARPA
- FGDC
- FBI
- DOE

Associate Members

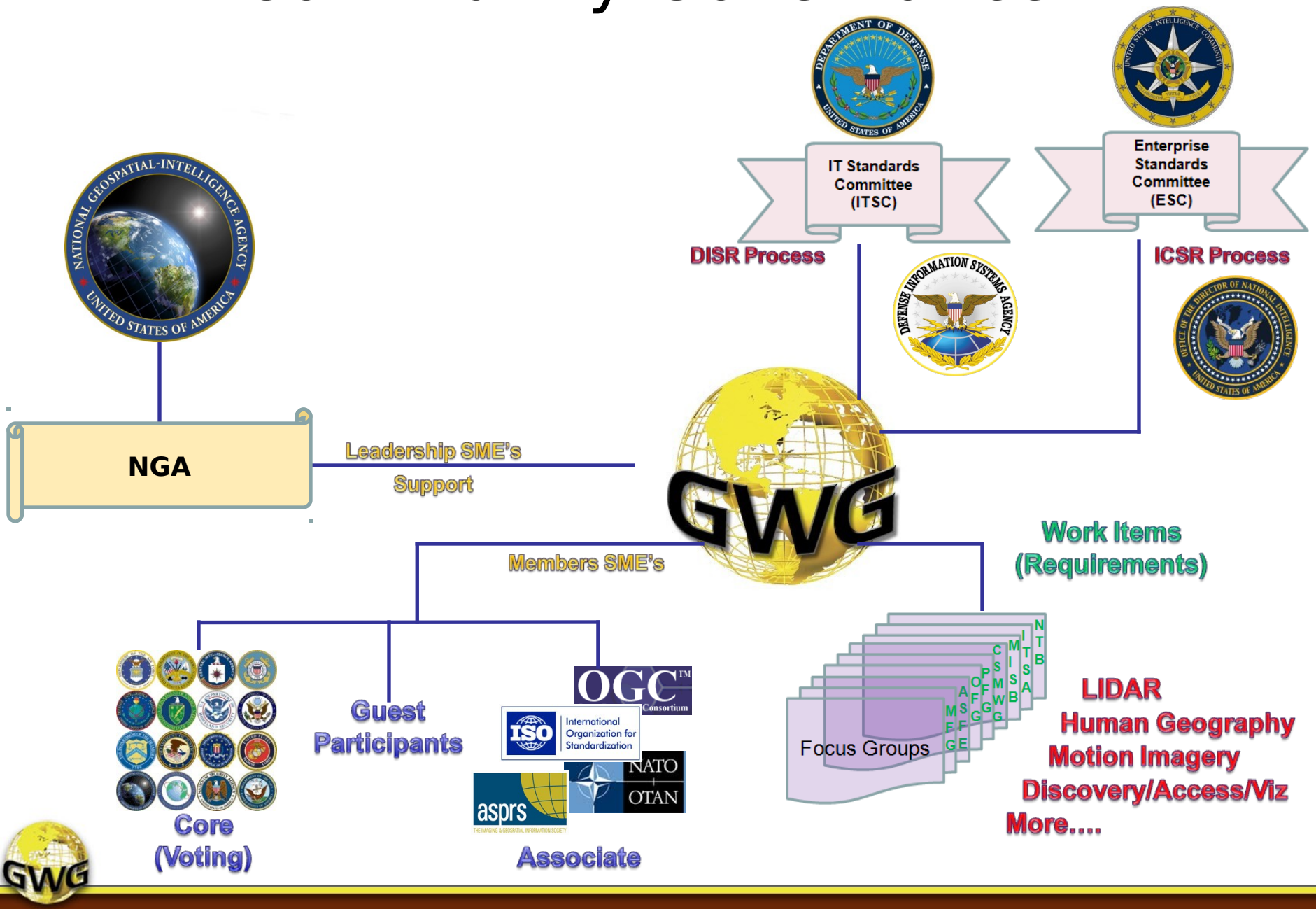
Non-US Govt. Partners

- Australia, United Kingdom, Canada
- Defence Geospatial Information Working Group (DGIWG)
- International Committee for Information Technology Standards, Geographic Standards Subcommittee (INCITS/L1) [ANSI Accredited]
- International Organization for Standardization (ISO) / Chair, TC 211
- Open Geospatial Consortium (OGC)
- US Geospatial Intelligence Foundation (USGIF)
- NATO Joint Capability Group on Intelligence Surveillance & Reconnaissance (JCGISR)
- American Society for Photogrammetry & Remote Sensing (ASPRS)

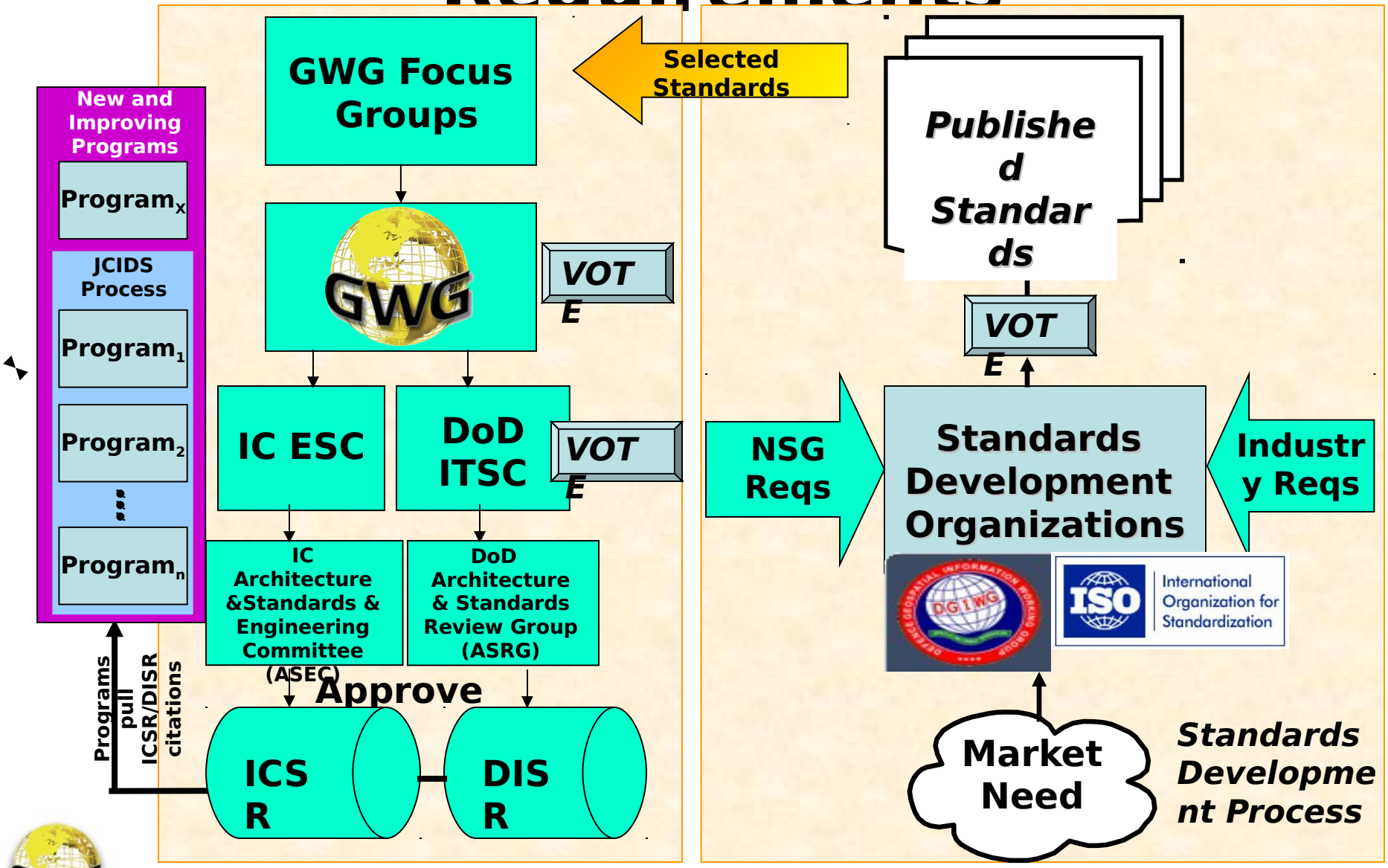
Three Levels of Activities

- **GWG Plenary Sessions**
  - May & October - Typically in Reston, VA
  - Networking, information sharing, educational forum
- **GWG Voting Meetings**
  - Three times each year
  - Consensus for GEOINT standards for the DoD and IC Standards Registries (DISR/ICSR)
  - Only open to Core (U.S. federal agencies) Representatives
- **GWG Focus Groups**
  - SMEs meet as needed throughout the year
  - Many Focus Groups opt to meet in conjunction with the Plenary meetings

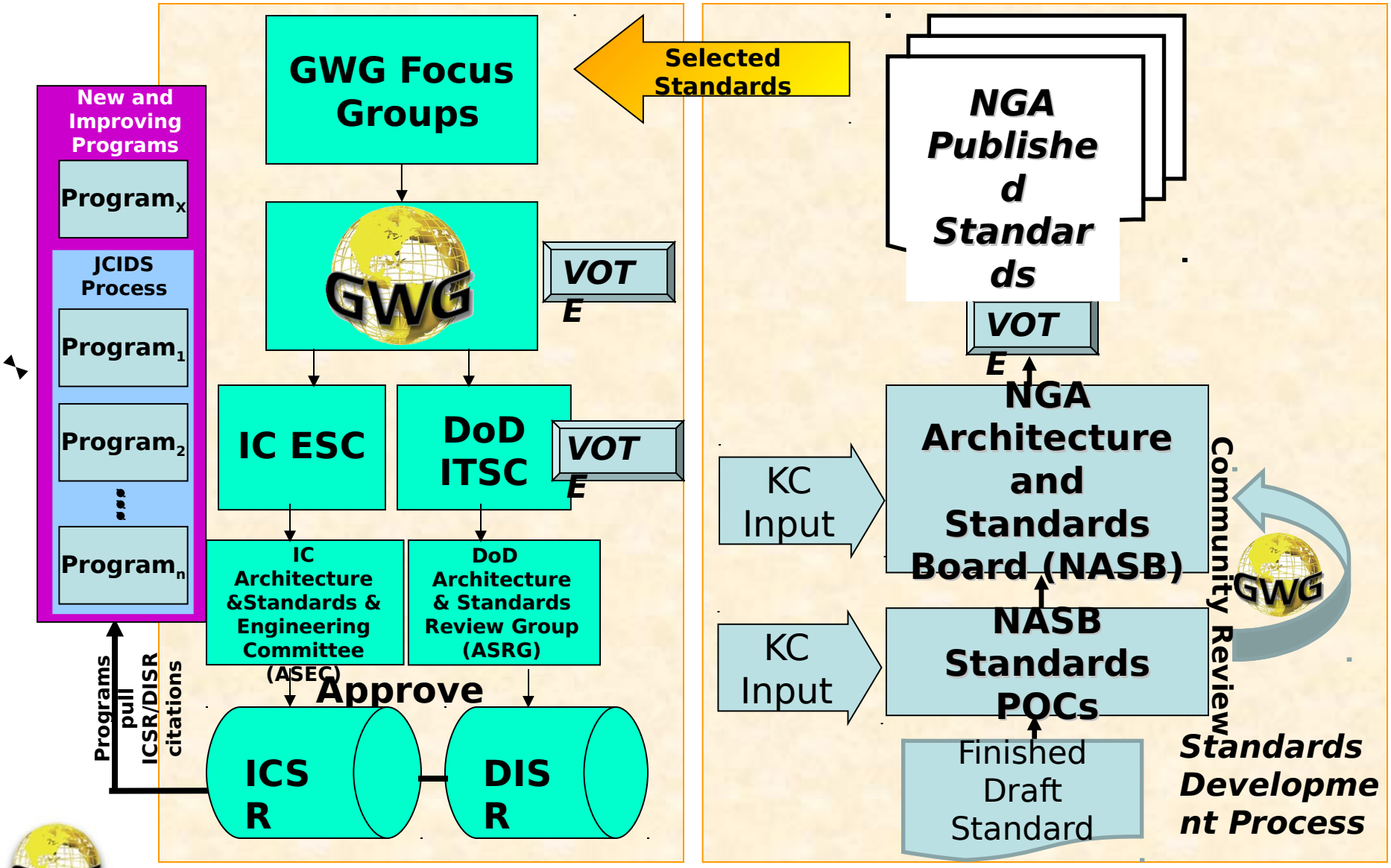
Community Governance



NSG Standards Requirements



NGA Standards Lifecycle



Standards Governance – DISR/ICSR

DoD IT Standards Registry (DISR)

- A single, unifying DoD registry for approved standards citations and a registry for approved DoD IT standards profiles
- DISR Mandated Standards – the minimum set of essential standards for the acquisition of all DoD systems that produce, use or exchange information and, when implemented, facilitate the flow of information in support of the warfighter
- New/modified systems throughout the DoD are required to include all applicable DISR mandated standards in baseline (StdV-1 / Standards Profile)

IC Standards Registry (ICSR) & ICS-500-20: IC Enterprise Standards Compliance

- Signed 12/16/10 500-20- Defines the IC framework for:
  - Adoption of IC enterprise standards best-suited for achieving the DNI's goals of interoperability and information sharing
  - Management of an IC Enterprise Standards Baseline (ICSR) consisting of a minimal, focused, coordinated set of such standards
  - Compliance and compliance certification of those portions of IC systems and EA-related information technology items funded through the NIP

Standards Lifecycle Definitions

Emerging

- Published
- Expected to be ***mandated within three years***
- Test, implementations, technical maturity
- May be implemented but not in lieu of mandated standard
- Use of (StdV-1) requires a waiver and a Technology Insertion Risk Assessment
- Generally placed in **StdV-*2* / *Standards Forecast***

Mandated

- Essential for interoperability across the enterprise
- ***Minimum Set*** of essential standards for the ***acquisition*** of all DoD systems that produce, use, or exchange info, and, when implemented, facilitates the flow of info in support of warfighter
- Required for the management, development, and acquisition of ***new or improved systems throughout*** the DoD

Retired

- New standards / technology now available and implemented
- Should ***not be used*** in a new or upgraded system
- Require waiver and Migration Plan
- ***Inactive***, remain in the DISR Registry

Information Guidance

- Are for cross-organization use and offer a means ***to further clarify standards*** and identify relevant policies and procedures
- Directives, Instructions, handbooks, manuals, procedures, best practices
- Have a status of either active (selectable for a standards profile) or inactive (not
- selectable).
- Do not meet the criteria to be approved as standard citations in the DISR, developed by processes outside the standards-development process

Sunset Tag

- ***Identifies a mandated standard for retirement*** as a tag not a status
- Tagged for retirement at a pre-defined event and date
- A replacement standard is frequently identified

IC-Prohibited

- An Intelligence Community Standards Registry (ICSR) prohibited standard shall not be used in IC systems. Such standards, which may be deemed appropriate for use in warfighter systems and environments, pose a high risk to IC systems if employed.

Geospatial Intelligence Standards Working Group

GWG Home | NSG Standards Registry | Standards and Registries | Focus Groups | Documents | Member Login | Request Member Login

Explore the GWG

- GWG Charter
- GWG Members List
- GWG Activities
- Meeting Information
- Guide to GEOINT Standards
- How to Participate
- Related Links
- Subscribe to E-mail List

Home

About The GWG

The GWG is Chartered under the Department of Defense (DoD) Information Technology Standards Committee (ITSC) the governing group responsible for developing and promoting standards interoperability in support of net-centricity within the [illegible] of Defense (DoD). The GWG provides the forum for the coordination of GEOINT standards for the National [illegible] for Geospatial-Intelligence (NSG). The GWG is led and chaired by the NGA's National Center for Geospatial [illegible] (NCGIS).

The GWG serves as the GEOINT community advocate for Information Technology (IT) standardization activities related to GEOINT and assists the Director of the NGA in carrying out Functional Manager responsibilities for GEOINT standards.

The primary responsibilities of the GWG are to 1) [illegible] the DoD IT Standards Registry (DISR) with GEOINT standards and 2) serve as the NSG community forum for all standardization activities and functions related to GEOINT.

The GWG consists of eight chartered focus groups made up of subject matter experts that address topical issues related to GEOINT standards.

www.gwg.nga.mil

GWG and Focus Groups Overview

Geospatial Intelligence Standards: The Basics
Introduction
Part 1: Standards Fundamentals
Part 2: Overview of GEOINT Standards
Part 3: Managing GEOINT Standards

NEWS

GWG 2011 Annual Awards Call for nominations

Click here to access the NSG Standards Registry which provides for the discovery, traceability, and lifecycle management of GEOINT Standards

The NSG Standards Registry now hosts the GEOINT standards in DISR PocketGuide and citations. Click here for access to the Pocketguide 10-3

Upcoming Events

CSMWG Meeting
March 22-23, 2011
Sunnyvale, CA

The information provided on this website is intended for the use of the Geospatial Intelligence Standards Working Group (GWG). Products, services and meetings mentioned may not be available or otherwise open to the general public.

GWG Focus Groups

- **NITFS Technical Board (NTB)**
  - ***LIDAR Interoperability Sub Group***
- **Motion Imagery Standards Board (MISB)**
- **Community Sensor Model Working Group (CSMWG)**
- **Geographic Portrayal (PFG)**
- **Application Schemas for Feature Encoding (ASFE)**
- ***Human Geography Working Group (HGWG)***
- **Metadata (MFG)**
  - ***Country Code Working Group***
- **Geospatial Web Services (GWS)** *{formerly Information Transfer and Services Architecture}*
- **Overhead Persistent Infrared (OFG)**
- **World Geodetic System and Geomatics (WGSG)**

For more information, please visit the focus groups section of the GWG website!

Focus Groups are the ***primary mechanism for Community engagement*** with subject-matter-experts (SMEs)